D. Jiang

43
D.T.
12-11-00

ENTERED

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        RAW SEQUENCE LISTING              DATE: 11/22/2000
        PATENT APPLICATION: US/09/609,721    TIME: 11:30:34

        Input Set : A:\p1713r1.txt
        Output Set: N:\CRF3\11222000\I609721.raw

      3 <110> APPLICANT: Mark S. Dennis
      5 <120> TITLE OF INVENTION: Compounds that Bind HER2
      7 <130> FILE REFERENCE: P1713R1
W--> 9 <140> CURRENT APPLICATION NUMBER: US/09/609,721
      9 <141> CURRENT FILING DATE: 2000-06-30
     11 <150> PRIOR APPLICATION NUMBER: US 60/142,232
     12 <151> PRIOR FILING DATE: 1999-07-02
     14 <160> NUMBER OF SEQ ID NOS: 162
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 20
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Artificial Sequence
     21 <220> FEATURE:
     22 <223> OTHER INFORMATION: synthetic peptide sequence
     24 <400> SEQUENCE: 1
     25  Gln Arg Asn Glu Ala Trp Gly Cys Ile Gly Pro Gly Cys Glu Met
     26    1           5                  10                  15
     28  Leu Cys Ala Trp Cys
     29              20
     31 <210> SEQ ID NO: 2
     32 <211> LENGTH: 20
     33 <212> TYPE: PRT
     34 <213> ORGANISM: Artificial Sequence
     36 <220> FEATURE:
     37 <223> OTHER INFORMATION: synthetic peptide sequence
     39 <400> SEQUENCE: 2
     40  Leu Ser Pro Glu Thr Trp Gly Cys Ile Gly Pro Gly Cys Glu Met
     41    1           5                  10                  15
     43  Leu Cys Ser Trp Cys
     44              20
     46 <210> SEQ ID NO: 3
     47 <211> LENGTH: 20
     48 <212> TYPE: PRT
     49 <213> ORGANISM: Artificial Sequence
     51 <220> FEATURE:
     52 <223> OTHER INFORMATION: synthetic peptide sequence
     54 <400> SEQUENCE: 3
     55  Glu Asn Trp Glu Met Trp Gly Cys Ile Gly Pro Gly Cys Lys Phe
     56    1           5                  10                  15
     58  Leu Cys Glu Pro Cys
     59              20
     61 <210> SEQ ID NO: 4
     62 <211> LENGTH: 17
     63 <212> TYPE: PRT
     64 <213> ORGANISM: Artificial Sequence
     66 <220> FEATURE:
     67 <223> OTHER INFORMATION: synthetic peptide sequence
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        RAW SEQUENCE LISTING                DATE: 11/22/2000
        PATENT APPLICATION:  US/09/609,721  TIME: 11:30:34

        Input Set : A:\p1713r1.txt
        Output Set: N:\CRF3\11222000\I609721.raw

 69 <400> SEQUENCE: 4
 70  Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Lys Ala Leu Cys Asp
 71    1               5                 10               15
 73  Trp Cys
 76 <210> SEQ ID NO: 5
 77 <211> LENGTH: 17
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: synthetic peptide sequence
 84 <400> SEQUENCE: 5
 85  Glu Arg Trp Gly Cys Ile Gly Pro Gly Cys Arg Met Leu Cys Glu
 86    1               5                 10               15
 88  Trp Cys
 91 <210> SEQ ID NO: 6
 92 <211> LENGTH: 17
 93 <212> TYPE: PRT
 94 <213> ORGANISM: Artificial Sequence
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: synthetic peptide sequence
 99 <400> SEQUENCE: 6
100  Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Asp Met Leu Cys Asn
101    1               5                 10               15
103  Trp Cys
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 17
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: synthetic peptide sequence
114 <400> SEQUENCE: 7
115  Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Ser Met Leu Cys Gly
116    1               5                 10               15
118  Trp Cys
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 20
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: synthetic peptide sequence
129 <220> FEATURE:
130 <221> NAME/KEY: unsure
131 <222> LOCATION: 1-3, 5, 14, 18
132 <223> OTHER INFORMATION: unknown amino acid
134 <400> SEQUENCE: 8
W--> 135  Xaa Xaa Xaa Glu Xaa Trp Gly Cys Ile Gly Pro Gly Cys Xaa Met
     136    1               5                 10               15
W--> 138  Leu Cys Xaa Trp Cys
     139                20
```

RAW SEQUENCE LISTING   DATE: 11/22/2000
PATENT APPLICATION: US/09/609,721   TIME: 11:30:34

Input Set : A:\p1713r1.txt
Output Set: N:\CRF3\11222000\I609721.raw

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141 <210> SEQ ID NO: 9
142 <211> LENGTH: 20
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: synthetic peptide sequence
149 <400> SEQUENCE: 9
150  Ala Ser His Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Lys Cys
151    1               5                  10                  15
153  Leu Gln Ala Cys Met
154                  20
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 20
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: synthetic peptide sequence
164 <400> SEQUENCE: 10
165  Lys Leu Asn Glu Glu Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
166    1               5                  10                  15
168  Leu Leu Gln Cys Trp
169                  20
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 20
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: synthetic peptide sequence
179 <220> FEATURE:
180 <221> NAME/KEY: unsure
181 <222> LOCATION: 18, 20
182 <223> OTHER INFORMATION: unknown amino acid
184 <400> SEQUENCE: 11
185  Lys Leu Asn Glu Asp Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
186    1               5                  10                  15
W--> 188  Leu Leu Xaa Cys Xaa
189                  20
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 20
193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: synthetic peptide sequence
199 <400> SEQUENCE: 12
200  Thr Gln Ala Glu Arg Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys
201    1               5                  10                  15
203  Leu Met Ser Cys Val
204                  20
206 <210> SEQ ID NO: 13
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RAW SEQUENCE LISTING   DATE: 11/22/2000
PATENT APPLICATION: US/09/609,721   TIME: 11:30:34

Input Set : A:\p1713rl.txt
Output Set: N:\CRF3\11222000\I609721.raw

```
207 <211> LENGTH: 20
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: synthetic peptide sequence
214 <400> SEQUENCE: 13
215  Ala Pro Arg Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
216   1               5                  10                 15
218  Leu Leu Arg Cys Ile
219                  20
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 20
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: synthetic peptide sequence
229 <400> SEQUENCE: 14
230  Gln Val Tyr Glu Ser Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
231   1               5                  10                 15
233  Leu Gln Ala Cys Leu
234                  20
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 20
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthetic peptide sequence
244 <400> SEQUENCE: 15
245  Arg Thr Glu Glu Gln Trp Gly Cys Ile Gly Pro Gly Cys Arg Cys
246   1               5                  10                 15
248  Leu Leu Ser Cys Leu
249                  20
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 20
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: synthetic peptide sequence
259 <400> SEQUENCE: 16
260  Phe Ala Gly Glu Ser Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys
261   1               5                  10                 15
263  Leu Ile Gly Cys Leu
264                  20
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 20
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: synthetic peptide sequence
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                 RAW SEQUENCE LISTING              DATE: 11/22/2000
                 PATENT APPLICATION:  US/09/609,721   TIME: 11:30:34

                 Input Set : A:\p1713r1.txt
                 Output Set: N:\CRF3\11222000\I609721.raw

274 <400> SEQUENCE: 17
275  Thr Ala Arg Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Asn Cys
276  1               5                   10                  15
278  Leu Leu Ala Cys Leu
279                  20
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 20
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: synthetic peptide sequence
289 <400> SEQUENCE: 18
290  Arg Pro His Glu Pro Trp Gly Cys Ile Gly Pro Gly Cys Ser Cys
291  1               5                   10                  15
293  Leu Leu Ser Cys Ile
294                  20
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: synthetic peptide sequence
304 <400> SEQUENCE: 19
305  Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys Leu Met Asn
306  1               5                   10                  15
308  Cys Leu
311 <210> SEQ ID NO: 20
312 <211> LENGTH: 17
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: synthetic peptide sequence
319 <400> SEQUENCE: 20
320  Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys Leu Leu Arg
321  1               5                   10                  15
323  Cys Leu
326 <210> SEQ ID NO: 21
327 <211> LENGTH: 17
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: synthetic peptide sequence
334 <400> SEQUENCE: 21
335  Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Gly Cys Leu Leu Lys
336  1               5                   10                  15
338  Cys Leu
341 <210> SEQ ID NO: 22
342 <211> LENGTH: 17
343 <212> TYPE: PRT
```

FYI:

Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.**

VERIFICATION SUMMARY   DATE: 11/22/2000
PATENT APPLICATION: US/09/609,721   TIME: 11:30:35

Input Set : A:\pl713rl.txt
Output Set: N:\CRF3\11222000\I609721.raw

L:9 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:2187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126
L:2207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126
L:2224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128
L:2677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162